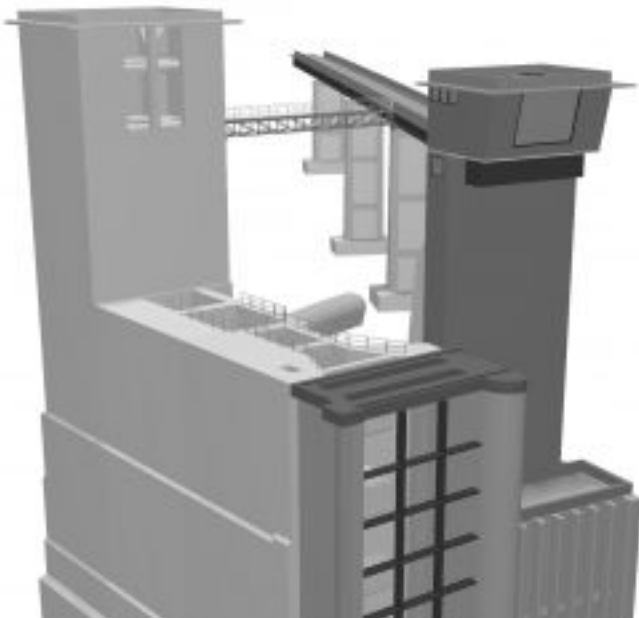


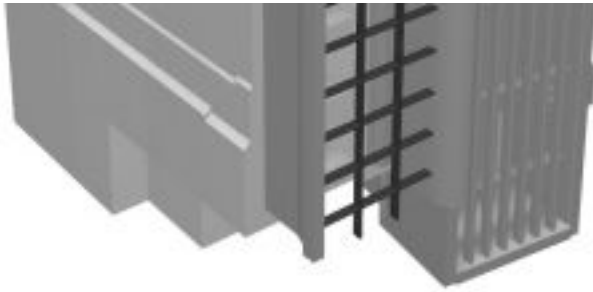
Purpose

Fish Passage Facility



The long term goal of the Howard Hanson Dam Additional Water Storage Project is the reintroduction and survival of self sustaining runs of anadromous salmonid fish in the upper Green River watershed area. To accomplish this the project will construct two new fish passage facilities. For fish returning to the watershed from the sea, a trap and haul facility has been built at the City of Tacoma's Headwork's Facility to transport adult fish around both the small diversion dam and Howard Hanson Dam. For downstream passage of juvenile fish and adult steelhead, a state of the art fish collection facility will be constructed next to the current flood control intake at the dam. Construction for the facility began in 2004 and will be completed in 2009.





The new downstream fish collection and transport facility will include:

- an intake structure, entrance well and trashrack
- a fish collector array consisting of five collectors set at equal spacing in a vertical column, with each collector comprised of a collector horn and an inclined screen within a screen enclosure
- a fish well fed by a fish bypass pipe from each fish collector
- a fish collection basket set within the fish well
- an attraction water discharge conduit with a radial regulating gate and a vertical emergency closure gate, and
- a fish monitoring facility and fish truck transport

Essentially, the fish passage facility will operate as a fish/water separator. The fish are separated from project outflow by an inclined screen contained within each collector and bypassed to the fish well. When either a time or fish density threshold has been reached, a basket below the fish will be hoisted through the fish well water column, collecting fish and a small portion of water. The basket will raise above the surface of the facility deck, where the fish and water will be discharged to a truck or holding tank. From there they may be diverted to a monitoring facility or conveyed by truck to the river downstream.

News

No new information has been posted by the content provider for this page.

Point of Contact: Michael Padilla Phone: 206-764-6734 Email: Michael.C.Padilla@usace.army.mil